

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PCT050006	FOR FURTHER ACTION	See item 4 below
International application No. PCT/KR2005/000812	International filing date (<i>day/month/year</i>) 23 March 2005 (23.03.2005)	Priority date (<i>day/month/year</i>) 27 March 2004 (27.03.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant JEON, Min-Cheol		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 *bis*.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Date of issuance of this report 04 October 2006 (04.10.2006)
Facsimile No. +41 22 338 82 70	Authorized officer <p style="text-align: center; font-weight: bold;">Philippe Becamel</p> e-mail: pt12@wipo.int

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

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137-858 Republic of Korea

PCT

REC'D 22 JUL 2005

WIPO PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) 12 JULY 2005 (12.07.2005)

Applicant's or agent's file reference
PCT050006

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2005/000812

International filing date (day/month/year)

23 MARCH 2005 (23.03.2005)

Priority date(day/month/year)

27 MARCH 2004 (27.03.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 G06F 17/60

Applicant

JEON, Min-Cheol

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION


If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

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Authorized officer

LEE, Jung Suk

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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/000812

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000812

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-7	YES
	Claims		NO
Inventive step (IS)	Claims	1-7	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-7	YES
	Claims		NO

2. Citations and explanations :

The following document have been considered for the purpose of this written opinion:

D1: KR 2001-97559 A

D1 relates to a method for deciding and concluding a price and amount simultaneously among a plurality persons in electronic commerce.

A member seller and a member buyer input a selling price/amount and a buying price/amount. A selling price is sorted in descending powers, an accumulated selling amount is recorded, and a buying price is sorted in ascending powers, an accumulated buying amount is recorded.

If the selling price is more than the buying price, it is judged whether a searching row is existed. If the selling price is identified with the buying price, a concluding price and a concluding amount are decided. If the selling price is not identified with the buying price and the search row is the initial row, a non-concluding is decided.

If the selling price is less than the buying price and the selling accumulating amount and the buying accumulating amount of the final row, a concluding price and a concluding amount are decided. If the selling accumulating amount is not identified with the buying accumulating amount of the final row, a concluding price and a concluding amount are decided.

Claim 1, 5 of the present invention are independent claims and most similar to the mentioned D1. Compared with D1, the claims of the present invention are characterized by determining the profitable price and amount using comparison between the selling price/amount and the buying price/amount.

But D1 does not use cumulative distribution and cumulative deviation. There not are the prior arts using cumulative distribution and cumulative deviation.

On that, the subject matter of claim 1, 5 is considered to involve an inventive step as being non-obvious over said document, and the subject matter of dependent claims 2-4, 6, 7 is also considered to involve an inventive step

Therefore the subject matter of claims 1-7 is considered to be novel, to involve an inventive step, and to be industrially applicable.